


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>Accredited to ISO/IEC 17025:2005</p>	<h3>British Geological Survey</h3> <p>Issue No: 017 Issue date: 08 April 2009</p>	
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<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>WATERS</p> <p>Natural waters including pore-waters and BGS supplied synthetic or experimental fluids</p>	<p><u>Chemical Tests</u></p> <p>Al, As, Ba, Ca, Cd, Cr, Cu, Fe, Li, Mg, Mn, Mo, Na, Ni, P, Pb, S, Se, Si, Sr, V, Zn</p> <p>Li, Be, Al, V, Cr, Mn, Co, Ni, Cu, As, Sr, Mo, Cd, Sb, Ba, Tl, Pb</p> <p>pH and alkalinity (including OH⁻, CO₃²⁻ and HCO₃⁻ speciation)</p> <p>F⁻, Cl⁻, NO₂⁻, Br⁻, NO₃⁻, SO₄²⁻, HPO₄²⁻</p> <p>Ferrous Iron</p>	<p>Documented In-House Method AGN 2.3.5 by ICP-AES</p> <p>Documented In-House Method AGN 2.3.3 by ICP-MS</p> <p>Documented In-House Method AGN 2.3.7 by Automated Potentiometric Titration</p> <p>Documented In-House Method AGN 2.3.6 by Ion Chromatography</p> <p>Documented In-House Method AGN 2.3.11</p>
<p>ROCK, SOILS, SEDIMENTS, ORES and MINERALS, AGGREGATES</p> <p>Solid geological and related materials</p>	<p>Loss on Ignition</p> <p>Na, Mg, Al, Si, P, S, K, Ca, Ti, Mn, Fe, Cr, Sr, Zr, Ba, reported as oxides</p> <p>Ti, Mn, Fe (reported as oxides), Sc, V, Cr, Co, Ni, Cu, Zn, Ga, Ge, As, Se, Br, Rb, Sr, Y, Zr, Nb, Mo, Ag, Cd, Sn, Sb, Te, I, Cs, Ba, La, Ce, Nd, Sm, Yb, Hf, Ta, W, Tl, Pb, Bi, Th, U</p>	<p>Documented In-House Method AGN 2.1.3 by physical measurement</p> <p>Documented In-House Method AGN 2.1.4 by XRFS</p> <p>Documented In-House Method AGN 2.1.5 by WD-XRFS</p>



1816

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Issue No: 017 Issue date: 08 April 2009

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ROCK, SOILS, SEDIMENTS, ORES and MINERALS, AGGREGATES (cont'd)		
Solid geological and related materials	Ag, Cd, In, Sn, Sb, Te, I, Cs, Ba, La, Ce	Documented In-House Method AGN 2.1.6 by ED-XRFS
	Inorganic Mercury	Documented In-House Method AGN 2.3.15 by Vapour Generation Atomic Fluorescence spectrometry
SOILS	<u>Chemical Tests</u>	Documented In-House Methods to meet the requirements of the Environment Agency MCERTS performance standard – chemical testing of soil
	pH	Documented In-House Method AGN 2.5.1
	V, Cr, Co, Ni, Cu, Zn, As, Se, Mo, Ti, Pb	Documented In-House Method AGN 2.1.5 by WD-XRFS
	Cd, Sb, Ba	Documented In-House Method AGN 2.1.6 by ED-XRFS
	Mercury	Documented In-House Method AGN 2.3.15 by Vapour Generation Atomic Fluorescence Spectrometry
END		